

determining means (34) responsive to said synchronizing signal from said separating means (33), for determining based on said synchronizing signal, whether the signal to be reproduced and displayed on said monitor is said first video signal in accordance with a first broadcasting method or said first video signal in accordance with a second broadcasting method different from said first broadcasting method, and responsive to non-reception of said synchronizing signal from said separating means, for determining that the signal to be reproduced and displayed on said monitor is said second video signal in accordance with a broadcasting method different from said first and second broadcasting methods;

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display means (51) for displaying to the user, based on the result of determination by said determining means (34), said broadcasting method of said first video signal or said second video signal to be reproduced and displayed on said monitor; and

reproducing and display means (36) based on said broadcasting method determined by said determining means for reproducing and displaying said first video signal or said second video signal on said monitor, wherein

said first video signal in accordance with said first broadcasting method includes a right eye video signal obtained by interlace scanning method and a left eye video signal obtained by interlace scanning method;

said first video signal in accordance with said second broadcasting method is a video signal obtained by non-interlace scanning method; and

said first broadcasting method is a stereoscopic broadcasting method, wherein said determining means (34) includes

reference clock generating means (40) for generating clocks,
count means (41) for counting said generated clocks,
latch means (42) for latching count value counted by said count means (41),
processing means (44) obtaining said count value from said latch means (42) for
determining, based on said count value, whether the video signal is in accordance with
said first broadcasting method or said second broadcasting method, and

control signal generating means (43) responsive to reception of said
synchronizing signal from said separating means (33) for generating a control signal to
cause said latch means (42) to latch said count value counted by said count means
(41), cause said count by said count means (41) to reset said count and cause said
processing means (44) to take said count value latched by said latch means (42); and

said processing means (44) compares the count value obtained from said latch
means (42) with a prescribed reference value, for determining, based on the result of
said comparison, whether said synchronizing signal is in accordance with said first
broadcasting method or said second broadcasting method, and when said count value
is not received, determines that said synchronizing signal is in accordance with said
broadcasting method different from first and second broadcasting methods, and wherein

said reference value is determined from frequency of said vertical synchronizing
signal in said first video signal in accordance with said first broadcasting method,
frequency of said vertical synchronizing signal in said first video signal in accordance
with said second broadcasting method and repetition frequency of said clocks.

14. (Amended) A display apparatus receiving at an input a first video signal or a second video signal, and reproducing and displaying on a monitor in accordance with a broadcasting method, comprising:

separating means (33) responsive to reception of said first video signal, for separating and outputting a synchronizing signal from said input first video signal;

determining means (34) responsive to said synchronizing signal from said separating means (33), for determining based on said synchronizing signal, whether the signal to be reproduced and displayed on said monitor is said first video signal in accordance with a first broadcasting method or said first video signal in accordance with a second broadcasting method different from said first broadcasting method, and responsive to non-reception of said synchronizing signal from said separating means, for determining that the signal to be reproduced and displayed on said monitor is said second video signal in accordance with a broadcasting method different from said first and second broadcasting methods;

display means (51) for displaying to the user, based on the result of determination by said determining means (34), said broadcasting method of said first video signal or said second video signal to be reproduced and displayed on said monitor; and

reproducing and display means (36) based on said broadcasting method determined by said determining means for reproducing and displaying said first video signal or said second video signal on said monitor, wherein

said synchronizing signal is a vertical synchronizing signal; and

said vertical synchronizing signal in said first video signal in accordance with said first broadcasting method and said vertical synchronizing signal in said first video signal in accordance with said second broadcasting method have mutually different frequencies, wherein

said determining means (34) includes

reference clock generating means (40) for generating clocks,

count means (41) for counting said generated clocks,

latch means (42) for latching count value counted by said count means (41),

processing means (44) obtaining said count value from said latch means (42) for determining, based on said count value, whether the video signal is in accordance with said first broadcasting method or said second broadcasting method, and

control signal generating means (43) responsive to reception of said synchronizing signal from said separating means (33) for generating a control signal to cause said latch means (42) to latch said count value counted by said count means (41), cause said count by said count means (41) to reset said count and cause said processing means (44) to take said count value latched by said latch means (42); and

said processing means (44) compares the count value obtained from said latch means (42) with a prescribed reference value for determining, based on the result of said comparison, whether said synchronizing signal is in accordance with said first broadcasting method or said second broadcasting method, and when said count value is not received, determines that said synchronizing signal is in accordance with said broadcasting method different from first and second broadcasting methods, and wherein

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said reference value is determined from frequency of said vertical synchronizing signal in said first video signal in accordance with said first broadcasting method, frequency of said vertical synchronizing signal in said first video signal in accordance with said second broadcasting method and repetition frequency of said clocks.

20. (Amended) A digital broadcast receiver compatible with a plurality of display methods including a plurality of stereoscopic display methods, comprising:

receiving means (1,2) for demodulating and decompressing received video data;

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determining means (24) for determining whether said received video data is video data in accordance with a stereoscopic broadcasting method or video data different from the stereoscopic broadcasting method;

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selecting means (27) operated by a user for selecting one stereoscopic display method among said plurality of stereoscopic display methods;

formatting means (25) for formatting a signal output from said receiving means;

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and
control means (10) for determining, based on the result of determination by said determining means (24) and selection by said selecting means (27), display method for reproducing and displaying said received video data, and controlling formatting by said formatting means (25), wherein

said video data in accordance with said stereoscopic broadcasting method has one image plane including an image plane for a right eye video image obtained by interlace scanning and an image plane for a left eye video image obtained by interlace scanning method; and

said stereoscopic display method is a first stereoscopic display method providing stereoscopic display by video images of one channel, or a second stereoscopic display method providing a stereoscopic display by video images of two channels, and wherein

said formatting means (25) includes

first storing means (12) for storing an output of said receiving means (1,2) and from which said stored data is read under the control of said control means (10),

second storage means (13) for storing an output of said receiving means (1,2), and from which said stored data is read under the control of said control means (10), different from said first storing means (12),

input switching means (11) for inputting an output of said receiving means (1,2) to said first storing means (12) or said second storing means (13) under the control of said control means (10),

level data output means (14, 15) for generating and outputting level data,

first data switching means (16) for switching between and outputting the data read from said first storage means (12) and said level data output from said level data output means (14, 15) under the control of said control means (10), and

second data switching means (17) for switching between and outputting the data read from said second storing means (13) and said level data output from said level data output means (14, 15) under the control of said control means (10);

said first data switching means (16) outputs data corresponding to said video images of said one channel corresponding to said first stereoscopic display method or data corresponding to said video images of either one of said two channels